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Microfluidics to define leukocyte migration patterns

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Appendix

List of abbreviations

ANOVA	analysis of variance
B2M	beta-2-microglobulin
BC	buffer channel
BD-Index	bi-directional index
C5a	complement component 5a
CD	cluster of differentiation
CR	chemoattractant reservoir
CT	cell traps
CT	comparative threshold cycle
DAPI	4',6-diamidino-2-phenylindole
DCC	deleted in colorectal cancer
DNA	deoxyribonucleic acid
DP	directional persistence
DSCAM	down syndrome cell adhesion molecule
EDTA	ethylenediaminetetraacetic acid
H&E	hematoxylin and eosin stain
HSA	human serum albumin
IFN	Interferon
Ig	immunoglobulin
IHC	Immunohistochemistry
IL-8	Interleukin-8
IP	intraperitoneal
IP-10	interferon gamma-induced protein 10
FACS	fluorescence-activated cell sorting
FAK	focal adhesion kinase
FITC	fluorescein isothiocyanate
fMLP/fMLF	fMet-Leu-Phe
FoxP3	forkhead box P3
GAPDH	glyceraldehyde 3-phosphate dehydrogenase
GTP	guanosine triphosphate
HBSS	Hanks Buffered Salt Solution
hpf	high power field
HSA	human serum albumin
LTB4	Leukotriene B4

MAP Kinase	mitogen-activated protein kinase
mRNA	messenger RNA
MW	molecular weight
N ₂	nitrogen
NET	neutrophil extracellular trap
O.C.T.	Optimal Cutting Temperature compound
PBMC	peripheral blood mononuclear cell
PBS	Phosphate-buffered saline
PCR	polymerase chain reaction
PDMS	polydimethylsiloxane
PHA	phytohaemagglutinin
PI-3 kinase	phosphoinositide 3-kinase
PMA	Phorbol 12-myristate 13-acetate
RANTES	regulated on activation, normal T cell expressed and secreted
RBC	red blood cell
RGMa	repulsive guidance molecule-A
RNA	ribonucleic acid
RT-PCR	reverse transcription polymerase chain reaction
SCID	severe combined immunodeficient
SDF-1	stromal cell-derived factor 1
shRNA	short hairpin RNA
UNC5	uncoordinated-5

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